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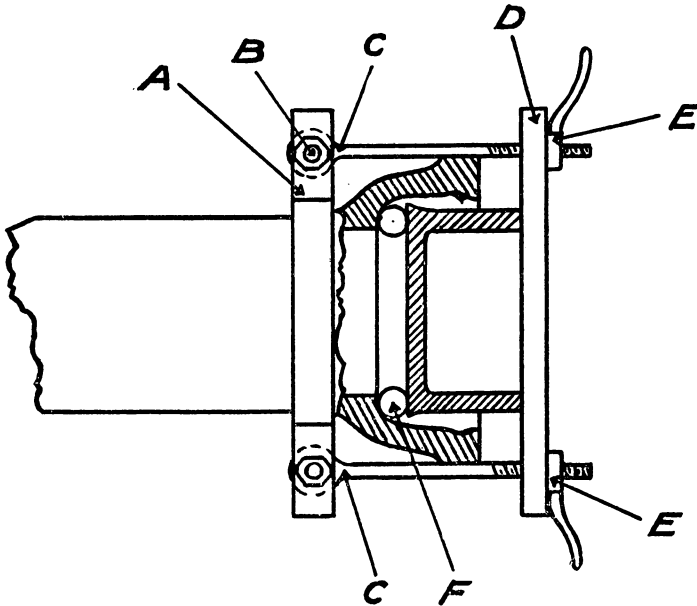
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A CHEAP HOME MADE TEST PLUG FOR WATER MAINS

By W. E. HASELTINE

The construction of this test plug will be self-evident from the sketch herewith. It consists merely of a clamp *A* surrounding the pipe directly back of the bell. Attached to the bolts which fasten this clamp together are eye bolts *C* with long threads.



These eye bolts extend through holes in the bar *D* and are supplied with long threads to receive the wing nuts *E*. A ring of $\frac{1}{2}$ -inch or $\frac{5}{8}$ -inch rainbow tubular manhole gasket *F* is put into the bell and against this is placed an ordinary cast iron water main plug. The wing nuts *E* are then turned down, clamping this plug against the gasket by means of the bar *D*.

The entire adjustment can be made in a few minutes and the cost

of the outfit is negligible. With the exception of the clamps, the same outfit can be employed for various sizes of pipe by having the bar D long enough for the largest size and drilling holes at various points in its length. This clamp has proved very satisfactory in service.